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U.S. PRO
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05/25/01

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**(Only for new nonprovisional applications under
37 C.F.R. 1.53(b))

Attorney Docket No. 2390.2001-001

First Named Inventor or Application Identifier Philip P. Carvey

Express Mail Label No. EL552284536US

U.S. PRO

5-25-01

Title of Invention

System and Method for Implementing Source Based and Egress Based Virtual Networks in an Interconnection Network

JC971 U.S. PRO 05/25/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

1. [X] Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. [X] Specification **[Total Pages [67]]**
(preferred arrangement set forth below)
 Descriptive title of the invention
 Cross References to Related Applications
 Statement Regarding Fed sponsored R & D
 Reference to microfiche Appendix
 Background of the Invention
 Summary of the Invention
 Brief Description of the Drawings
 Detailed Description
 Claim(s)
 Abstract of the Disclosure
3. [X] Drawing(s) (35 U.S.C. 113) **[Total Sheets [21]]**
 Formal Informal
 Fig. of the Drawings for Publication [Fig. 9]
4. [X] Oath or Declaration/POA **[Total Pages [2]]**
a. [X] Newly executed (original or copy)
b. [] Copy from a prior application (37 C.F.R. 1.63(d))
(for continuation/divisional with Box 18 completed)
[NOTE Box 5 below]
i. [] DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. [] Incorporation By Reference *(useable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. [] Microfiche Computer Program (*Appendix*)
7. [] Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. [] Computer Readable Copy
b. [] Paper Copy (identical to computer copy)
[] Pages
c. [] Statement verifying identity of above copies
8. [X] Assignment Papers (cover sheet & documents)
 Assignee - Avici Systems, Inc.
North Billerica, Massachusetts
9. [] 37 C.F.R. 3.73(b) Statement Power of Attorney
(when there is an assignee)
10. [] English Translation Document (*if applicable*)
11. [X] Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
12. [] Preliminary Amendment
13. [X] Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. [] Small Entity Statement filed in prior application, status still proper and desired
15. [] Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. [] Nonpublication Request (*check parent application*)
17. [] Other: _____

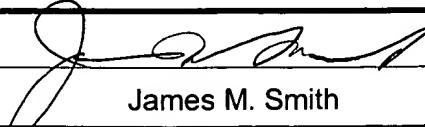
18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner: Group Art Unit:

19. CORRESPONDENCE ADDRESS

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Signature		Date	5/25/01
Submitted by Typed or Printed Name	James M. Smith	Reg. Number	28,043

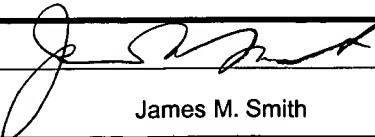
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

FEE TRANSMITTAL FOR PATENT APPLICATIONS	Attorney Docket Number	2390.2001-001
	Application Number	
	First Named Inventor	Philip P. Carvey

CLAIM CALCULATION (includes any preliminary amendment)

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 CFR 1.16(c) or (i))	52 - 20* =	32	x \$ 18 =	\$ 576
	INDEPENDENT CLAIMS (37 CFR 1.16(b) or (i))	6 - 3** =	3	x \$ 80 =	\$ 240
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			+ \$ 270 =	\$
				BASIC FEE (37 CFR 1.16(a) or (h))	\$ 710
			Total of above Calculations =		\$ 1526
			Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =		\$
			TOTAL =		\$ 1526
			Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =		\$
			Petition for Extension of Time Fee (37 C.F.R. 1.17) =		\$
			Assignment Recordation Fee = (only when filed with application)		\$ 40
	* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent			TOTAL =	\$ 1566

1. Small entity status:
 - a. A small entity statement is enclosed.
 - b. A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.
 - c. Is no longer claimed.
2. A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.
3. A check is enclosed for \$156.6. Please charge \$[] to Deposit Account No. 08-0380.
4. Other: _____

Signature		Date	5/25/
Submitted by Typed or Printed Name	James M. Smith	Reg. Number	28,043